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AD 01	01/04/2011	Cities Initiated Detities for Delevel: A 1 1 (11 1 1 C
AR-01	01/04/2011	Citizen Initiated Petition for Rulemaking Amendment (attached references):  Exhibit a Ebbing Acoustics, "Some Limitations and Errors in Current Turbine Noise Models (July 2009)  Exhibit b C.E. Ebbing, "Applied Acoustics Handbook."  Exhibit c NASA, Hubbard & Shepard, "Wind Turbine Acoustics" (1990)  Exhibit d George W. Kemperman & Richard James, "Simple Guidelines for Siting Wind Turbine to Prevent Health Risks," NOISE-CON, Dearborn, Michigan (July 28-31, 2008)  Exhibit e George W. Kemperman & Richard James, "The 'How To' Guide to Siting Wind Turbines To Prevent Health Risks From Sound" (October 28, 2008)  Exhibit f Frank H. Brittain & Marlund E. Hale, "Some Limitations of Ray-Tracing Software for Predicting Community Noise from Industrial Facilities," NOISE-CON, Dearborn, Michigan (July 28-30, 2008).  Exhibit g Hawkins on Modeling, ASHRAE Guide for ILFN effects, The Effects of Low Frequency Noise and Vibration on People, Colin H. Hansen, Hessler C-Wt Limits for rural areas (1986)  Exhibit h Maine State Planning Office Technical Assistance Bulletin #4 and Model Wind Energy Facility Ordinance August 27, 2009.  Exhibit i Daniel J. Alberts. "Addressing Wind Turbine Noise" Revised Oct. 2006.  Exhibit j Eja Pedersen and Kerstin Waye, "Perception and Annoyance Due to Wind Turbine Noise — a Dose — Response Relationship," J. Acoust. Soc. Am. 116 (2004).  Exhibit k Eja Pedersen and Kerstin Waye. "Wind Turbines-Low Level Noise Sources Interfering With Restoration?," Environmental Res. Lett. 3 (2008)  Exhibit l Frits van den Berg, Eja Pedersen, Jelte Bouma & Roel Bakker. "WINDFARMperception, Visual and Acoustic Impact of Wind Turbine Farms on Residents," June 3, 2008  Exhibit m Eja Pedersen, Frits van den Berg, Roel Bakker & Jelte Bouma "Response to Noise from Modern Wind Farms in the
		<ul> <li>Annoyance Due to Wind Turbine Noise – a Dose – Response Relationship," J. Acoust. Soc. Am. 116 (2004).</li> <li>Exhibit k Eja Pedersen and Kerstin Waye. "Wind Turbines-Low Level Noise Sources Interfering With Restoration?," Environmental Res. Lett. 3 (2008)</li> <li>Exhibit l Frits van den Berg, Eja Pedersen, Jelte Bouma &amp; Roel Bakker. "WINDFARMperception, Visual and Acoustic Impact of Wind Turbine Farms on Residents," June 3, 2008</li> </ul>
		<ul> <li>Bouma. "Response to Noise from Modern Wind Farms in the Netherlands," J Acoust. Soc. Am 126 (2), August 2009.</li> <li>Exhibit n Eja Pedersen, "Third International Meeting on Wind Turbine Noise," Aalborg Denmark 17-19 June 2009.</li> <li>Exhibit o Kerstin Waye. "Perception and Environmental Impact of Wind Turbine Noise," Inter-Noise 2009 (August 23-26 2009 Ottawa Canada).</li> <li>Exhibit p Minnesota Department of Health Environmental Health</li> </ul>
		Division. "Public Health Impacts of Wind Turbines," May 22, 2009.

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		Evhibit a Kaith Stalling & Carmon Kroah "Summary of Pacent

		<ul> <li>Exhibit q Keith Stelling &amp; Carmen Krogh. "Summary of Recent Research on Adverse Health Effects of Wind Turbines" 20 October 2009.</li> <li>Exhibit r. World Health Organization. "Night Noise Guidelines for</li> </ul>
		Europe" (2009)
		• Exhibit s World Health Organization. "Night Noise Guidelines for Europe" (2007)
		• Exhibit t Dr. Christopher Hanning, "Sleep Distrubance and Wind Turbine Noise," June 2009
		• Exhibit u. – not applicable
		• Exhibit v Dr. Christopher Hanning, "Wind Trubine Noise, Sleep and Health," April 2010.
		• Exhibit w W. David Colby, M.D., et als, "Wind Turbine Sound and Health Effects: An Expert Panel," Prepared for the American Wind Energy Association and the Canadian Wind Energy Association, December 2009.
		• Exhibit x Brett Horner, et als, "Wind Energy Industry Acknowledgement of Adverse Health Effects", prepared by the Society for Wind Vigilance (January 2010).
		• Exhibit y Geoff Leventhall, "Low Frequency Noise. What We Know, What We do not Know and What We would Like to Know."
AR-02	06/23/2011	Petitioner's Proposed Noise Rule Amendment (Bold language represents
1111 02	00/23/2011	modifications)
AR-03	07/01/2011	Petitioner Statement on Petition "Friends of Maine's Mountains"
		• Exhibit A – Revised Proposed Noise Rule Amendment (06/30/2011)
AR-04	07/01/2011	Richard James
		Cover Letter and CV
		Pre-filed testimony
AR-05	07/01/2011	Michael Nissenbaum, MD
		Pre-filed testimony
		<ul> <li>Testimony attachment – Exhibits A through F</li> </ul>
AR-06	10/20/09	Summary of Recent Research on Adverse Health Effects of Wind
		Turbines // Keith Stelling, MA, MNIMH, Dip Phyt, MCPP
		(England)
AR-07		The Acoustic Ecology Institute – Wind Farm Noise 2011 (Science)
		and policy overview) // Jim Cummings
AR-08	11/2010	Wind Turbine Noise, Sleep and Health // Dr. Christopher Hanning,
AR-09		Disconnect Between Turbine Noise Guidelines and Health Authority
		Recommendations // John P. Harrison
AR-10		England and Wales Court of Appeal (Civil Division) Decisions //
		2011 EWCA Civ 638 – Case No: C1/2010/2166/QBACF
AR-11	06/13-16/10	Inter Noise 2010, Predicting Annoyance by Wind Turbine Noise
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		(June 13 – 16, 2010)
AR-12		Acoustics 2008: Acoustics and Sustainability: how should
		acoustics adapt to meet future demands?
AR-13	2011	<ul> <li>Annoyance caused by amplitude modulation of wind turbine noise (Noise Control Eng. Jan-Feb 2011)</li> </ul>
AR-14		• Fact Sheet: (Massachusetts Department of Environmental Protection)
AR-15		<ul> <li>Assessing and Mitigating Noise Impacts (New York State Department of Environmental Conservation)</li> </ul>
AR-16		<ul> <li>New Zealand Wind Energy Association: The New Zealand Wind Farm Noise Standard</li> </ul>
AR-17		<ul> <li>Noise Control Regulation for Industry and Commerce (340-035- 0035)</li> </ul>
AR-18	06/17-19/09	<ul> <li>Third International Meeting on Wind Turbine Noise – Aalborg Denmark 17-19 June 2009: A New Explanation for Wind Turbine Whoosh – Wind Shear</li> </ul>
AR-19		Wind turbine noise, annoyance and self-reported health and well- being in different living environments
AR-20		<ul> <li>Health aspects associated with wind turbine noise – results from three field studies: Eja Pedersen</li> </ul>
AR-21	12/09/10	• Independent Peer-Review (December 9, 2010)
AR-22	01/2010	<ul> <li>Wind Energy Industry Acknowledgement of Adverse Health Effects</li> <li>/ Part 2 Detailed Analysis (January 2010)</li> </ul>
AR-23		<ul> <li>Protective Noise Levels: Condensed Version of EPA Levels Document</li> </ul>
AR-24		<ul> <li>Information on Levels of Environmental Noise Requisite to Protect public Health and Welfare with an Adequate Margin of Safety US EPA (March 1974)</li> </ul>
AR-25	05/16/1989	<ul> <li>DEP Memorandum: Bill Laflamme – Proposed Noise Control Regulations (May 16, 1989)</li> </ul>
AR-26		Basis Statement: 1987 Legislature Enacted LD 1803
AR-27		• Infrasound: Your ears "hear" it but they don't tell your brain. // Alec N. Salt, PhD
AR-28		ELSEVIER - Hearing Research: Responses of the ear to low frequency sounds, infrasound and wind turbines // Alec N. Salt, Timothy Hullar
AR-29	04/2011	• Fourth International Meeting on Wind Turbine Noise – Rome Italy 12-14 April 2011: Responses of the Inner Ear to Infrasound (Alec

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		N. Salt and Jeffery T. Lichtenhan)
AR-30	04/2011	<ul> <li>Fourth International Meeting on Wind Turbine Noise – Rome Italy 12-14 April 2011: Wind turbine noise and health-related quality of life of nearby residents: a cross-sectional study in New Zealand (Daniel Shepherd, David McBride, David Welch, Kim Dirks, Erin Hill)</li> </ul>
AR-31	09/14/2010	• The Society of Wind Vigilance Response to and Analysis of: "Low frequency Noise and Infrasound Associated with Wind Turbine Generator Systems A Literature Review Ontairo Ministry of the Environment RFp NO. Oss-078696 Draft for Discussion" (September 14, 2010)
AR-32	2009	<ul> <li>ECHOES – The newsletter of the acoustical society of America // Perspectives on Wind Turbine Noise (Volume 19, Number 3 Summer 2009)</li> </ul>
AR-33	1999	<ul> <li>Guidelines for Community Noise – World Health Organization, Geneva (April 1999)</li> </ul>
AR-34	07/19/2010	<ul> <li>Haste makes Waste – An analysis of the National Health and Medical Research Council "Wind Turbines and Health A Rapid Review of the Evidence July 2010": Prepared by The Society for Wind Vigilance (July 19, 2010)</li> </ul>
AR-35	06/03/2010	Delay Denial and Disappointment: An Analysis of the Chief Medical Officer of Health (CMOH) of Ontario "The Potential Health Impacts of Wind Turbines May 2010": Prepared by The Society for Wind Vigilance (June 3, 2010)
AR-36		• 11th International Meeting on Low Frequency Noise and Vibration and its Control Masstricht The Netherlands 30 August to 1 September 2004: Do wind turbines produce significant low frequency sound levels?
AR-37	09/22/2003	• ELSEVIER – Effects of the wind profile at night on wind turbine sound // GP van den berg: Received 22 January 2003; accepted 22 September 2003
AR-38	04/2011	<ul> <li>Fourth International Meeting on Wind Turbine Noise – Rome Italy 12-14 April 2011: Selection of outcome measures in assessing sleep disturbance from wind turbine noise – Christopher Hanning and Michael Nissenbaum</li> </ul>
AR-39	04/2011	<ul> <li>Fourth International Meeting on Wind Turbine Noise – Rome Italy 12-14 April 2011: Detection and Quantification of Amplitude Modulation in Wind Turbine Noise (J.N McCabe)</li> </ul>
AR-40	04/2011	Fourth International Meeting on Wind Turbine Noise – Rome Italy

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		12-14 April 2011: The assessment of low frequency noise and amplitude modulation of wind turbines (Denis Siponen)
AR-41	04/2011	• Fourth International Meeting on Wind Turbine Noise – Rome Italy 12-14 April 2011: An overview of residential health effects in relation to wind turbine noise (Frits van den Berg)
AR-42	12/20/2010	<ul> <li>Low frequency from large wind turbines // Henrik Moller and Christian Sejer Pedersen (Received 5 July 2010, accepted 20 December 2010)</li> </ul>
AR-43	08/2009	• Inter-Noise 2009: Recent Developments in assessment guidelines for sound from wind power projects in Ontairo, Canada, with a comparison to acoustic audit results (August 23-26, 2009 Brian Howe, Nick McCabe)
AR-44	07/03/2010	<ul> <li>An Analysis of the Epidemiology and Related Evidence on the Health Effects of Wind Turbines on Local Residents (July 3, 2010 Carl Phillips)</li> </ul>
AR-45		Statement of Opposition to Petitioner's Proposed Rule amendment
AR-46		<ul> <li>R. Scott Bodwell – First Wind pre-filed testimony</li> </ul>
AR-47		<ul> <li>Pete Guldberg, Tech Environmental pre-filed – testimony</li> </ul>
AR-48		<ul> <li>Mark Roberts et al., Evaluation of the Scientific Literature on the Health Effects Associated with Wind Turbines and Low Frequency Sound, prepared for Wisconsin Public Service Commission, October 20, 2009 ("Exponent Report")</li> </ul>
AR-49	05/2010	• The Potential Health Impact of Wind Turbines, Chief Medical Officer of Health of Ontario, May 2010 ("CMOH Report")
AR-50		• Town of Oakfield Wind Energy Review Committee Report, September 4, 2009 ("Oakfield Report")
AR-51	12/2009	David Colby et al., Wind Turbine Sound and Health Effects, an     Expert Panel Review, December 2009 (AWEA/CanWEA Report)
AR-52	2011	• Robert O'Neal et al., Low Frequency Noise and Infrasound from Wind Turbines, Noise Control Engineering Journal, Vol. 59, No. 2, at 135 (March-April 2011) ("O'Neal Report")
AR-53	05/31/2011	<ul> <li>Findings and Order of Vermont Public Service Board, Petition of Green Mountain Power Corp. (Docket No. 7628), May 31, 2011 (excerpts)</li> </ul>
AR-54	04/2011	<ul> <li>Dick Bowdler, Why Turbine Noise Annoys, presented at Fourth International Meeting on Wind Turbine Noise, Rome, Italy, April 12-14, 2011</li> </ul>
AR-55	04/2011	George F. Hessler, A Note on the Debate about health Effects from

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		Low Frequency Noise (LFN) from Modern Large Wind Turbines, presented at Fourth International Meeting on Wind Turbine Noise, Rome, Italy, April 12-14, 2011
AR-56	04/2011	<ul> <li>Martin van den Berg, Health Based Guidelines for Wind Turbine Noise in the Netherlands, presented at Fourth International Meeting on Wind Turbine Noise, Rome, Italy, April 12-14, 2011</li> </ul>
AR-57	08/09/2010	<ul> <li>Wisconsin Wind Siting Council, Final Recommendation to the Public Service Commission, August 9, 2010</li> </ul>
AR-58	08/2010	<ul> <li>Kenneth Kaliski and Eddie Duncan, Calculating Annualized Sound Levels from a Wind Farm, presented at Acoustical Society of America/NOISE-CON 2010, Baltimore, Maryland, April 19 – 23, 2010</li> </ul>
AR-59	12/2008	<ul> <li>Kenneth Kaliski and Eddie Duncan, Propagation Modeling Parameters for Wind Power Projects, Sound and Vibration, December 2008</li> </ul>
AR-60	06/2009	<ul> <li>Andrew Bullmore et al., Wind Farm Noise Predictions and Comparison with Measurements, presented at Third International Meeting on Wind Turbine Noise, Aalborg, Denmark, June 17-19, 2009</li> </ul>
AR-61	2009	<ul> <li>Dick Bowdler et al., Prediction and Assessment of Wind Turbine Noise, Acoustics Bulletin, March/April 2009</li> </ul>
AR-62	07/07/2011	Charles F. Wallace, Jr. Testimony and exhibits
AR-63	07/07/2011	Robert McCunney testimony and exhibits
AR-64	07/07/2011	Robert O'Neal testimony
AR-65	07/07/2011	Kenneth Kaliski testimony and exhibits
AR-66	07/07/2011	Dora Mills testimony and exhibits
AR-67	07/07/2011	Cheryl Lindgren testimony
AR-68	07/07/2011	Art Lindgren testimony
AR-69	07/07/2011	Steve Bennett testimony and exhibits
AR-70	07/07/2011	Wendy Todd testimony
AR-71	07/07/2011	Greg Perkins testimony
AR-72	07/07/2011	Francis Pullaro testimony
AR-73	07/07/2011	Jeremy Payne testimony and exhibits
AR-74	07/07/2011	Scott Cuddy testimony
AR-75	07/07/2011	Paul Williamson testimony and exhibits
AR-76	07/07/2011	Dave Bennett testimony
AR-77	07/07/2011	John Conney testimony

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AR-78	07/07/2011	Leola Ballweber testimony and exhibits
AR-79	07/07/2011	Robert Rand testimony and exhibits
AR-80	07/07/2011	Karen Bessey Pease, Lexington Township
AR-81	07/07/2011	Mike DiCenso testimony, Lincoln
AR-82	07/07/2011	Sally Wylie testimony, Seal Cove
AR-83	07/07/2011	Dora Mills testimony
AR-84	07/10/2011	Cindy Sousa, Frankfort
AR-85	07/11/2011	Robert Rand, Brunswick (Institute of Noise Control Eng.)
AR-86	07/12/2011	Dora Mills testimony revised final
AR-87	07/13/2011	Jennifer Abbott Perkins, Holden
AR-88	07/14/2011	Karen Pease, Lexington Twp.
AR-89	07/14/2011	<ul> <li>Stephen E. Ambrose, Windham</li> <li>July 8, 2011 ltr to J. Cassida</li> <li>July 12, 2011 ltr to J. Cassida</li> </ul>
AR-90	07/14/2011	Chris Stieber
AR-91	07/18/2011	<ul> <li>Susan S. Davis testimony and exhibits, Friends of Maine's Mountains</li> </ul>
AR-92	07/18/2011	Alan Michka, Lexington Township
AR-93	07/18/2011	Art Lindgren, Vinalhaven
AR-94	07/18/2011	Cheryl Lindgren, Vinalhaven
AR-95	07/18/2011	Alice Barnett, w/attachments, Carthage
AR-96	07/18/2011	Jessa Barnard, JD Maine Medical Association
AR-97	07/18/2011	Esther Leveille
AR-98	07/18/2011	Chris O'Neil, testimony
AR-99	07/18/2011	<ul> <li>Monique Aniel testimony and exhibits</li> </ul>
AR-100	07/18/2011	• R Brown – SSF-36v@ Health Survey (Dr. Nissenbaum)
AR-101	07/18/2011	Glen Bridges, Freedom
AR-102	07/18/2011	• R Brown – RSE Sound Level Study (June 21, 2007)
AR-103	07/18/2011	• R Brown – M. Nissenbaum rebuttal testimony
AR-104	07/18/2011	• R Brown Exhibit A – proposed noise rule amendment (07/18/11)
AR-105	07/18/2011	R Brown Exhibit B – ANS Part 4: Noise Assessment and Prediction of Long-term Community Response
AR-106	07/18/2011	<ul> <li>R Brown Exhibit C – Sound Level vs distance from Mars Hill Wind Turbines (graph)</li> </ul>
AR-107	07/18/2011	R Brown Exhibit D – World Health Organization Basic Documents (December 2006)
AR-108	07/18/2011	R Brown Exhibit E – Excerpt from transcript State of Vermont

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		Public service Board Doc 7628
AR-109	07/18/2011	• R Brown Exhibit F – Fourth International Meeting on Wind Turbine Noise: The Audibility of Low Frequency Wind Turbine Noise (April 2011)
AR-110	07/18/2011	• R Brown Exhibit G – Mars Hill Windfarm Post-Development Sound Level Study Peer Review (November 2007)
AR-111	07/18/2011	• R Brown Exhibit H – Fourth International Meeting on Wind Turbine Noise: Coherence Issues in Wind Turbine Noise Assessment (April 2011)
AR-112	07/18/2011	S. Jones, Windependence
AR-113	07/18/2011	Todd Presson, Patriot Renewables
AR-114	07/18/2011	Philip Conkling, Island Institute
AR-115	07/18/2011	Charles Wallace, Resource Systems Engineering (RSE)
AR-116	07/18/2011	RSE – Exhibit 8: Utility Grade Wind Turbine Sound Levels
AR-117	07/18/2011	• RES – Exhibit 9: Assessment and Rating of Noise from Wind Farms
AR-118	07/18/2011	• RES – Exhibit 10: Papers from Fourth International Meeting on Wind Turbine Noise held in Rome
AR-119	07/18/2011	RES – Exhibit 11 Links to Noise Regulations
AR-120	07/18/2011	RES – Exhibit 12 Reference List - Sources and Technical     Publications (RSE)
AR-120.1	07/18/2011	RES – Exhibit 13 Primer on Sound Basics
AR-121	07/18/2011	Matt Kearns, FirstWind
AR-122	07/18/2011	<ul> <li>Matt Kearns Exhibit A: Employment Impacts of Wind Power Development in Maine 2003-2010</li> </ul>
AR-123	07/18/2011	<ul> <li>Matt Kearns Exhibit B: Operations Compliance Sound Level Study (July 27, 2009)</li> </ul>
AR-124	07/18/2011	<ul> <li>Matt Kearns Exhibit C: Operations Compliance Sound Level Study</li> <li>Second Quarter (10-27-2009)</li> </ul>
AR-125	07/18/2011	<ul> <li>Matt Kearns Exhibit D: Operations Compliance Sound Level Study</li> <li>Third Quarter (January 18, 2010)</li> </ul>
AR-126	07/18/2011	<ul> <li>Matt Kearns Exhibit E: Operations Compliance Sound Level Study</li> <li>Fourth Quarter (March 10, 2011)</li> </ul>
AR-127	07/18/2011	Opposition to Petition: Post-Hearing Submission
AR-128	07/18/2011	Opposition Exhibit A: Perception and annoyance due to wind turbine noise – a dose-response relationship (Eja Pedersen)
AR-129	07/18/2011	Opposition Exhibit B: Wind turbine noise, annoyance and self-

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		reported health and well-being in different living environments (Eja
		Pedersen and Kerstin Waye)
AR-130	07/18/2011	• Opposition Exhibit C: Project WINDFARMperception – Visual and acoustic impact of wind turbine farms on residents
AR-131	07/18/2011	Opposition Exhibit D: Health aspects associated with wind turbine noise results from three field studies
AR-132	07/18/2011	Opposition Exhibit E: Towns with wind power ordinances in Maine
AR-133	07/18/2011	Opposition Exhibit F: Evergreen Wind Power DEP Permit L- 24572-24-/a-N // L-24572-TF-B-N, Oakfield
AR-134	07/18/2011	<ul> <li>Opposition Exhibit G: Environmental Review Tribunal (February 25, 2011)</li> </ul>
AR-135	07/18/2011	<ul> <li>Opposition Exhibit H: Queen's Bench for Saskatchewan –</li> <li>Judgement Citation: 2010SKQWB 374 (October 7, 2010)</li> </ul>
AR-136	07/18/2011	<ul> <li>Opposition Exhibit I: Journal of Low Frequency Noise, Vibration and Active Control – Volume 27, Number 4 (2008)</li> </ul>
AR-137	07/18/2011	James Sholler, Chair Oakfield Wind Energy Review Committee
AR-138	07/18/2011	Patrick Strauch, Maine Forest Products Council
AR-139	07/18/2011	Mike Smith, Pisgah Mountain LLC
AR-140	07/18/2011	Friends of Maine's Mountains, Post-haring comments
AR-141	07/18/2011	Kenneth Kaliski, supplemental testimony on behalf of Patriot Renewables LLC and Highland Wind LLC
AR-142	07/18/2011	Sean Mahoney, Vice President Conservation Law Foundation
AR-143	07/18/2011	<ul> <li>Tracking Progress Toward Meeting Maine's Wind Energy Goals: Governor's Office of Energy Independence and Security (April 2011)</li> </ul>

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